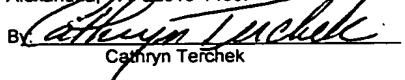


I hereby certify that this paper and/or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By   
Cathryn Terchek

## PATENT

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S)	:	Kevin M. Carolan
TITLE	:	METHOD AND APPARATUS FOR DETECTING A STALLED STEPPER MOTOR
APPLICATION NO.	:	Unknown
FILED	:	Herewith
CONFIRMATION NO.	:	None
EXAMINER	:	Unknown
ART UNIT	:	Unknown
LAST OFFICE ACTION	:	None
ATTORNEY DOCKET NO.	:	D/A3350 XERZ 2 00662

### INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, 1.98 and MPEP § 609, applicant(s) submit(s) the following Disclosure Statement concerning art of which the applicant(s) is(are) aware. A copy of PTO-1449 is enclosed herewith.

In accordance with the United States Patent and Trademark Office OG Notice dated 05 August 2003, waiving the requirement under 37 C.F.R. §1.98(a)(2)(i), for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003, Applicant(s) has not enclosed copies of the cited U.S. patents with this Disclosure.

Under § 1.98(a)(3), no concise explanation of relevance is required for information that is in the English language. Accordingly, the enclosed art require no further explanation (or no translation is available).

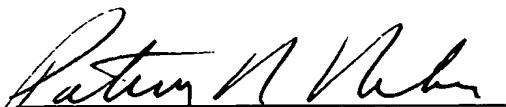
Consideration of the appropriate paragraph(s) indicated below is respectfully requested:

- WITHIN THREE MONTHS OF FILING:** Under § 1.97(b)(1), this Information Disclosure Statement is being filed within three months of the filing date of the application. Although it is believed no fee is necessary, any deficiency in fees should be charged to Deposit Account No. 24-0037.
- BEFORE FIRST OFFICE ACTION:** Under § 1.97(b)(3), this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. Although it is believed no fee is necessary, any deficiency in fees should be charged to Deposit Account No. 24-0037.
- INTERNATIONAL SEARCH REPORT:** Under § 1.97(e)(1), the undersigned certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. Although it is believed no fee is necessary, any deficiency in fees should be charged to Deposit Account No. 24-0037.
- BEFORE FINAL ACTION/WITH FEE:** Under § 1.97(c)(2), this information shall be considered if filed before the mailing date of a final action if accompanied by a fee in the amount of \$180.00 as required by §1.17(p). Accordingly, the necessary fee accompanies this Information Disclosure Statement. Any overpayment or deficiency can be charged to Deposit Account No. 24-0037.
- PRIORITY CLAIM:** The attached PTO 1449 Form includes all patents, publications, or other information previously cited by or submitted to the Office in one or more prior applications from which the present application claims priority. These one or more prior applications are identified in the papers accompanying the filing of this application. In accordance with 609 MPEP, only copies of art not previously submitted are enclosed.

Respectfully submitted,

FAY, SHARPE, FAGAN,  
MINNICH & McKEE, LLP

Date: 12/29/03

  
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(216) 861-5582

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)</b>		<i>Complete if Known</i>		
		Application Number		Unknown
		Filing Date		Herewith
		First Named Inventor		Kevin M. Carolan
		Art Unit		Unknown
		Examiner Name		Unknown
Sheet 1 of 1		Attorney Docket No.	D/A3350 (XERZ 2 00662)	

#### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication/Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-6,239,564	05-29-2001	Boe, et al.	
	AB	US-6,150,789	11-21-2000	Pulford, Jr.	
	AC	US-5,539,290	07-23-1996	Lu, et al.u	
	AD	US-5,012,168	04-30-1991	Dara, et al.	
	AE	US-			
	AF	US-			
	AG	US-			
	AH	US-			
	AI	US-			
	AJ	US-			
	AK	US-			
	AL	US-			

#### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code-Number Kind Code (if known)				
AM						<input type="checkbox"/>
AN						<input type="checkbox"/>
AO						<input type="checkbox"/>
AP						<input type="checkbox"/>

#### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published	T
	AQ		<input type="checkbox"/>
	AR		<input type="checkbox"/>
	AS		<input type="checkbox"/>
	AT		<input type="checkbox"/>

Examiner: \_\_\_\_\_ Date Considered: \_\_\_\_\_

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance  
Include copy of this form with next communication to applicant.